

Please AMEND the application as follows.

Please REPLACE claims 7 and 15 as follows.

7. (Thrice Replaced) An electronically controlled electric motor comprising:
a shaft;
at least one rotor having permanent magnets thereon for rotation about the shaft;
a stator housing having coils; and
motor position sensors arranged in the stator housing, wherein at least one position sensor comprises a solvent resistant electrical conductor produced integrally with connecting leads; and
wherein a current is induced in the electrical conductor by a moving magnetic field.

15. (Replaced) An electric motor for use in an environment containing solvents comprising:
a stationary stator housing;
a shaft through the stator housing;
a rotor positioned inside the stator housing for rotation about the shaft, wherein the rotor contains one or more permanent magnets thereon;
one or more electrical coils fixed in the stator housing; and
one or more position sensors fixed in the stator housing, wherein the position sensors comprise solvent resistant electrical conductors integral with connecting leads, and wherein current is induced in the electrical conductors by a moving magnetic field.